

Second B.H.M.S. (2015) Examination, Summer (Phase - II) 2019  
PATHOLOGY, BACTERIOLOGY & PARASITOLOGY - I

Total Duration : 3 Hours

Total Marks : 100

- Instructions :**
- 1) Use **blue/black** ball point pen only.
  - 2) **Do not** write anything on the **blank portion of the question paper**. If written anything, such type of act will be considered as an attempt to resort to unfair means.
  - 3) **All questions are compulsory.**
  - 4) The number to the **right** indicates **full** marks.
  - 5) Draw diagrams **wherever** necessary.
  - 6) Distribution of syllabus in Question Paper is only meant to cover entire syllabus within the stipulated frame. The Question paper pattern is a mere guideline. Questions can be asked from any paper's syllabus into any question paper. Students cannot claim that the Question is out of syllabus. As it is only for the placement sake, the distribution has been done.

1. Write short answer (**any ten** out of fifteen): [10 × 2 = 20]
- a) Define degeneration mention two types of degeneration
  - b) Mention the types of pigments with one example of each type
  - c) Define shock
  - d) Define Gangrene mention its types
  - e) Define amyloidosis
  - f) Herd immunity
  - g) Teratoma
  - h) Etiology of pernicious anaemia
  - i) PAPS smear with respect to clinical indication and significance
  - j) Etiology of cirrhosis ANY TWO
  - k) Mention normal range of fasting and postprandial blood sugar levels and significance of glycosolated haemoglobin.
  - l) clinical and laboratory findings in hypothyroidism
  - m) Enumerate jones criteria any two and its significance
  - n) Tubercular meningitis with respect to C.S.F findings
  - o) Mention stages of lobar pneumonia



2. Write short answer (**any four** out of six). [4 × 5 = 20]
- Chemical mediators in acute inflammation
  - Etiopathogenesis of haemorrhage
  - Cvc Liver
  - Caseous necrosis
  - Microscopic examination of urine
  - Widal test

3. Write short answer (**any four** out of six): [4 × 5 = 20]
- Post streptococcal glomerulonephritis wrt microscopic pathology and laboratory investigations
  - Hepatitis wrt etiology ,pathogenesis and laboratory findings
  - Fibroadenoma of breast
  - Bronchial asthma with respect to defintion and differentiate its types
  - Laboratory investigations in nutritional anaemias
  - Leukaemias with respect to definition classification and laboratory findings

4. Long answer question (**any two** out of four): [2 × 10 = 20]
- Define wound healing Describe and differentiate healing process by primary and secondary intention in detail with an example of each
  - Define Thrombosis? Describe etiopathogenesis and fate of thrombosis
  - Describe peptic ulcer in detail
  - Write in detail about Acute myocardial infarction

**Long answer question (any one from Q. No. 5, 6 and 7):**

5. Define oedema . Describe etiopathogenesis of oedema &add notes on cardiac oedema & renal oedema. [1 × 20 = 20]
6. Define neoplasia Discuss neoplasia with respect to a) Types and differences b) Theories of carcinogenesis c) Ca colon d) laboratory markers of neoplasia [1 × 20 = 20]
7. Discuss Hypersensitivity with respect to a)definition andTypes b)describe pathogenesis of each in brief c)one example of each type d)laboratory findings in each type. [1 × 20 = 20]





Second B.H.M.S. (2015) Examination, Summer (Phase - II) 2019  
PATHOLOGY & BACTERIOLOGY & PARASITOLOGY -II

Total Duration : 3 Hours

Total Marks : 100

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- 1) Use **blue/black** ball point pen only.
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  - 3) **All questions are compulsory.**
  - 4) The number to the **right** indicates **full** marks.
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1. Write short answer (**any ten** out of fifteen): [10 × 2 = 20]
- a) Write the cultural characteristic of Clostridium tetani. *266 An*
  - b) Write two Gram Negative cocci and two Gram Positive bacilli.
  - c) Culture medias used for Vibrio cholerae. *VP*
  - d) Write antigenic structure of E.coli.
  - e) Write two differences between Bacteria and Viruses.
  - f) Vector transmission with examples.
  - g) Write four differences between Amoebic & Bacillary Dysentery.
  - h) NIH Swab.
  - i) Host of Guinea Worm.
  - j) Mention the parasites responsible for Tropical Eosinophilia.
  - k) Write any two lab investigations in Dengue Fever.
  - l) Name two Viruses that produce Respiratory Diseases.
  - m) Name two examples of RNA Viruses.
  - n) What is Bacteriophage? Give two examples.
  - o) Write name of two Mycoses.



2. Write short answer (**any four** out of six). [4 × 5 = 20]
- Morphology & Cultural characteristic of *Clostridium welchii*.
  - Pathogenesis of *Treponema pallidum*. Describe VDRL.
  - Hydatid Cyst.
  - Lab diagnosis of Kala-Azar.
  - Influenza Virus.
  - Growth requirements of Bacteria.
3. Write short answer (**any four** out of six): [4 × 5 = 20]
- Widal Test.
  - Bacterial Flagella.
  - Host-Parasite Relationship.
  - Bacterial Toxins.
  - Structure of HIV Virus.
  - Classification of Mycoses and Name sites of Dermatophytic Infection
4. Long answer question (**any two** out of four): [2 × 10 = 20]
- Define Sterilization and Disinfection. Explain physical methods of sterilization.
  - What is Infection? Enumerate Classification, Sources and Methods of Transmission of Infection.
  - Describe Morphology and Life Cycle of *Ancylostoma duodenale*.
  - Describe Morphology and Pathogenesis of Hepatitis B.

**Long answer question (any one from Q. No. 5, 6 and 7):**

5. Describe Morphology, Cultural characteristic, Pathogenesis and Lab diagnosis of *Staphylococci*. [1 × 20 = 20]
6. Describe Morphology, Life cycle, Pathogenesis and Lab diagnosis of *Wuchereria bancrofti*. [1 × 20 = 20]
7. Define Culture Media. Explain different types of Culture Media with examples. [1 × 20 = 20]





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**Second B.H.M.S. (New) Examination, Summer (Phase - II) 2019**  
**PATHOLOGY AND MICROBIOLOGY**

Total Duration : 3 Hours

Total Marks : 100

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  - 3) **All questions are compulsory.**
  - 4) The number to the **right** indicates **full** marks.
  - 5) Draw diagrams **wherever** necessary.
  - 6) Distribution of syllabus in Question Paper is only meant to cover entire syllabus within the stipulated frame. The Question paper pattern is a mere guideline. Questions can be asked from any paper's syllabus into any question paper. Students cannot claim that the Question is out of syllabus. As it is only for the placement sake, the distribution has been done.

1. Write short answer (**any ten** out of fifteen):

[10 × 2 = 20]

- a) Define Atrophy with example
- b) Features of Benign Malignancy
- c) Types of Necrosis
- d) ECG changes of MI
- e) Types of Bronchial Asthma
- f) Causes of Splenomegaly
- g) Aplastic anemia
- h) 4 indications of Bone Marrow examination
- i) 4 Gram Negative bacteria
- j) Pathology of Cholera
- k) Pathology of Pseudomonas
- l) Larval form of Taenia solium
- m) Morphological forms of leishmania donovani
- n) Hydatid cyst
- o) Morphology of HIV Virus

04601

2. Write short answer (**any four** out of six). [4 × 5 = 20]
- Hydrophic Degeneration
  - Virchow's triad
  - Gram staining
  - Physical methods of sterilization
  - Giardiasis
  - Lab dignosis of kala azar
3. Write short answer (**any four** out of six): [4 × 5 = 20]
- Aetiopathogenesis of Cirrhosis of liver
  - Acute Meningitis
  - Tuberculin test
  - Iron Deficiency anemia
  - Miasmatic background of neoplasm
  - Pathogenesis of Hepatitis B virus
4. Long answer question (**any two** out of four): [2 × 10 = 20]
- Describe the morphology,pathogenesis, lab diagnosis of Streptococci.
  - Describe in detail types of culture media
  - Describe the morphology, Life cycle, Lab diagnosis of Ascaris lumbricoides
  - Write Pathogenesis and lab diagnosis of Filariasis

**Long answer question (any one from Q. No. 5, 6 and 7):**

5. Define oedema. Discuss in detail the aetiopathogenesis of oedema. Add a note on pulmonary oedema. [1 × 20 = 20]
6. Define peptic ulcer, differentiate gastric and duodenal ulcer. Add a note on complications of gastric ulcer. [1 × 20 = 20]
7. Describe in detail the morphological forms of Malarial Parasite seen in human beings. Add a note on lab diagnosis of malaria. [1 × 20 = 20]

